



**CDS Connect Work Group
Meeting Summary
November 27, 2018
3:00-4:30 PM EST**

Attendees

AHRQ Sponsors	Ed Lomotan, Shafa Al-Showk, Robert McNellis
Work Group Members	Apurva Desai, Barry Blumenfeld, Connie Villalba, Danny van Leeuwen, David Foley, Dwayne Hoelscher, Diane Montella, Edna Boone, Jody Platt, John Kefelas, Kevin Larsen, Linn Brandt, Marc Sainvil, Maria Michaels, Michael Wittie, Molly McCoy, Noam Artz, Patrick O'Connor, Preston Lee, Raajiv Ravi, Randolph Barrows, Randy Grout, Ronilda Lacson, Ryan Mullins, Stan Rankins, Stephen Loureiro
MITRE CDS Connect Project Members	Ginny Meadows, Chris Moesel, Dylan Mahalingam, Howard Gershen, Julia Afeltra, Lacy Fabian, Sharon Pacchiana, Sharon Sebastian

The MITRE Corporation operates the Centers for Medicare & Medicaid Services (CMS) Alliance to Modernize Healthcare (CAMH), a federally funded research and development center (FFRDC) dedicated to strengthening the nation's health care system. MITRE operates CAMH in partnership with CMS and the Department of Health and Human Services.

Agenda

- Welcome and brief review of meeting objectives and the agenda
- CDS Connect Option Year (OY) 2 Environmental Scan key findings and potential CDS artifact development approaches
- CDS Connect sustainability project
- CDS Connect Patient Perspective blog posting
- CDS Connect participation at the American Medical Informatics Association (AMIA) 2018
- Closing

Action Items

None

Meeting Summary

Welcome

MITRE started the meeting by welcoming participants and reviewing the names of work group members participating in the call. Maria Michaels then reviewed the agenda and facilitated the rest of the discussion.

Overall:

The meeting included a presentation and discussion on the key findings of the CDS Connect OY2 Environmental Scan, as well as potential approaches to related clinical decision support (CDS) artifact development. In addition, a presentation and discussion was given on the CDS Connect Sustainability Project to ensure ongoing sustainability of the CDS Connect Repository and Authoring Tool. Information was also shared about the initial Patient Perspectives blog recently posted on the Repository, as well as CDS Connect representation at the recent AMIA 2018 meeting. During each presentation, work group member ideas, suggestions and concerns were encouraged.

CDS Connect Option Year 2 Environmental Scan Key Findings and Potential CDS Approaches, Sharon Pacchiana (MITRE)

Sharon Pacchiana provided information on the key findings from the analysis of the information gathered through the Environmental Scan, along with the potential CDS approaches that may be considered for pilot implementation. The next steps for the OY2 pilot and CDS artifact development include beginning to investigate aspects of patient-facing CDS design, including patient engagement, patient-friendly language approaches and other considerations. Initial analysis of the 12 electronic clinical quality measures (eCQMs) that use a US Preventive Services Task Force (USPSTF) recommendation as the clinical evidence source, to identify value sets already defined, as well as some high-level analysis of the new or revised USPSTF recommendations is also planned. Engagement efforts with potential pilot partners to determine their interest in the project have started and will continue throughout the next month.

Questions and additional comments were invited from work group members:

- a. A work group member mentioned that his site is working on a project to implement preventive care information printed out for patients through the electronic health record (EHR).
 - i. He also mentioned the importance of being able to refine the list of what is presented to the patient to only those things that are applicable and had not already been done. He mentioned that although prioritization of the recommendations was not being considered based on the USPSTF feedback, he thought it was important to keep this as a potential option, as doctors don't want to be faced with a huge list of screening recommendations for each patient.
- b. Another work group member mentioned that the product she worked with included decision aids for patients that represented treatment options.
- c. A work group member mentioned that several years ago he worked on the childhood asthma action plan, a type of preventive care CDS for chronic diseases like asthma.
- d. A work group member mentioned the importance of considering the patient/consumer-facing CDS, and that the CDS Connect team should be intentional about looking across the work group membership at who is doing this type of work. He wondered if we could have platform players like Apple, etc., engaging the patients.

- i. Sharon Sebastian mentioned that the CDS Connect team was meeting with some of these technology companies in order to determine their level of interest in working with MITRE and the Agency for Healthcare Research and Quality (AHRQ) on this project.
- e. Another work group member also felt that prioritization of the recommendations is valid, as past experience has demonstrated that whenever all of the recommendations are shown to a clinician at one time, it is overwhelming to the clinician.

CDS Connect Sustainability Project, Lacy Fabian (MITRE)

Lacy Fabian presented information about the CDS Connect Sustainability project, beginning with an explanation of how this project intersects with the primary CDS Connect project. The project involves identifying approaches and a path forward to ensure the continuation of CDS Connect beyond the current OY2 period of performance, which ends in mid-September. Lacy provided an overview of the objectives and timeline of the Sustainability project, as well as information on the current work the Sustainability team has done to begin to identify different options for sustainability of CDS Connect. Lacy also invited interested work group members to provide comments to her in email as well.

Lacy invited comments from the work group members throughout the presentation.

- a. A work group member asked about the deliverables for the project.
 - i. Lacy reviewed the slide showing the milestones and said that they are looking at different options as far as direction and future business model. She explained that they are not only looking at technical capabilities but also the larger business model around CDS, and the ongoing support of CDS Connect.
- b. Maria Michaels asked about the work that the Trust Framework Work Group had done previously in the area of Trust, and whether the Trust issue would play into some of these key indicators the team is considering?
 - i. Lacy agreed that trust is one of the indicators, and said they were starting to lay out how that could be addressed.
- c. Another work group member mentioned that CMS has started to do some pilot testing with CDS Connect for a couple of decision support priorities. One thing that would be helpful is to address how CDS Connect fits into a larger vision for technology - is it authoring only, will it ever serve up real-time CDS rule sets, what is the governance role? This will help other people understand and determine how to support CDS Connect in the future.
 - i. Lacy commented that this is all relevant, as we think about future state options.
- d. The same work group member commented that one of the things they would like to understand is if the distributors of CDS are looking to do a one-time download, or if they are looking to do a query for real-time information, as we are thinking that one of the things customers are expecting is real-time CDS.
 - i. Sharon Pacchiana asked if he was referring to CDS-as-a-Service? He agreed and commented that this is what some people who are less involved assume is the business model, so that the user can use it live. Is this what the industry wants?
- e. A work group member commented that they are struggling with this issue – are we going to supply a blueprint or CDS-as-a-Service? He doesn't believe that the industry is prepared to use anything that is executable as a service anytime soon.
- f. Maria Michaels commented that although she thinks there is a desire to have CDS-as-a-Service at some point, so that if information in a guideline is updated, the CDS expression of the guideline can be updated more quickly. However, she did not feel that the industry in general was ready for this model.

- g. A work group member mentioned that he thought it was important that sustainability is part of the workgroup.
- h. Another work group member asked what the hooks or ties are with what ECRI is doing with the National Guidelines Clearinghouse (NGC)?

CDS Connect Patient Perspective Blog Postings, Danny Van Leeuwen (Health Hats)

Danny Van Leeuwen, CDS Connect Patient Advocate, provided information on the blog post he wrote for the CDS Connect Patient Perspective area of the Repository. The blog post discusses the importance of putting patients at the center of CDS development and design, and including them in many different aspects of the process.

- A key point made in the blog is that there is a great deal of variation in how patients want to be engaged, as well as a wide range of how clinicians want to engage with patients.
- Danny made the point that he believed the work of CDS Connect is important to patients and caregivers, and his role as patient advocate is to communicate the importance of this through social media and his personal networks, and to be a voice for patients.

CDS Connect at AMIA 2018, Sharon Sebastian (MITRE)

Sharon Sebastian discussed the different activities that the CDS Connect team was involved in at AMIA 2018. She described the Substitutable Medical Apps, Reusable Technology (SMART) on Fast Healthcare Interoperability Resources (FHIR) demonstration they participated in, which was a friendly competition to see the work that different organizations had accomplished. Project leaders also presented a systems demonstration and took part in a panel presentation during an education session.

Open Discussion and Closeout

Maria Michaels announced information about the Centers for Disease Control (CDC) Request for Information (RFI) for the National Test Collaborative, and mentioned that there was a question and answer document posted today. The CDC welcomes all suggestions on health information technology testing. More information can be found for the CDC Request for Information (RFI) (#75D301-19-Q-69537) here:

<https://www.fbo.gov/index?s=opportunity&mode=form&id=0b8114d292da3b41cb026365bc743679&tab=core&cvview=0>